

FIG. 1

000001 54256960

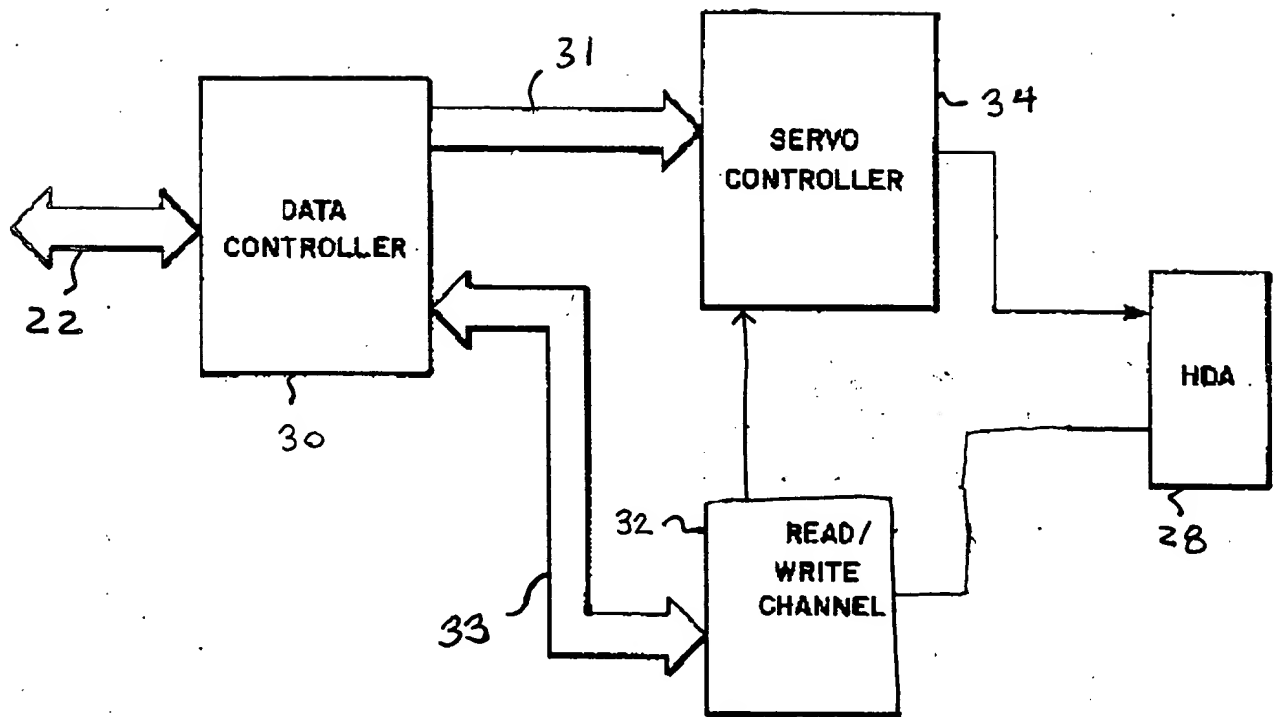


FIG. 2.

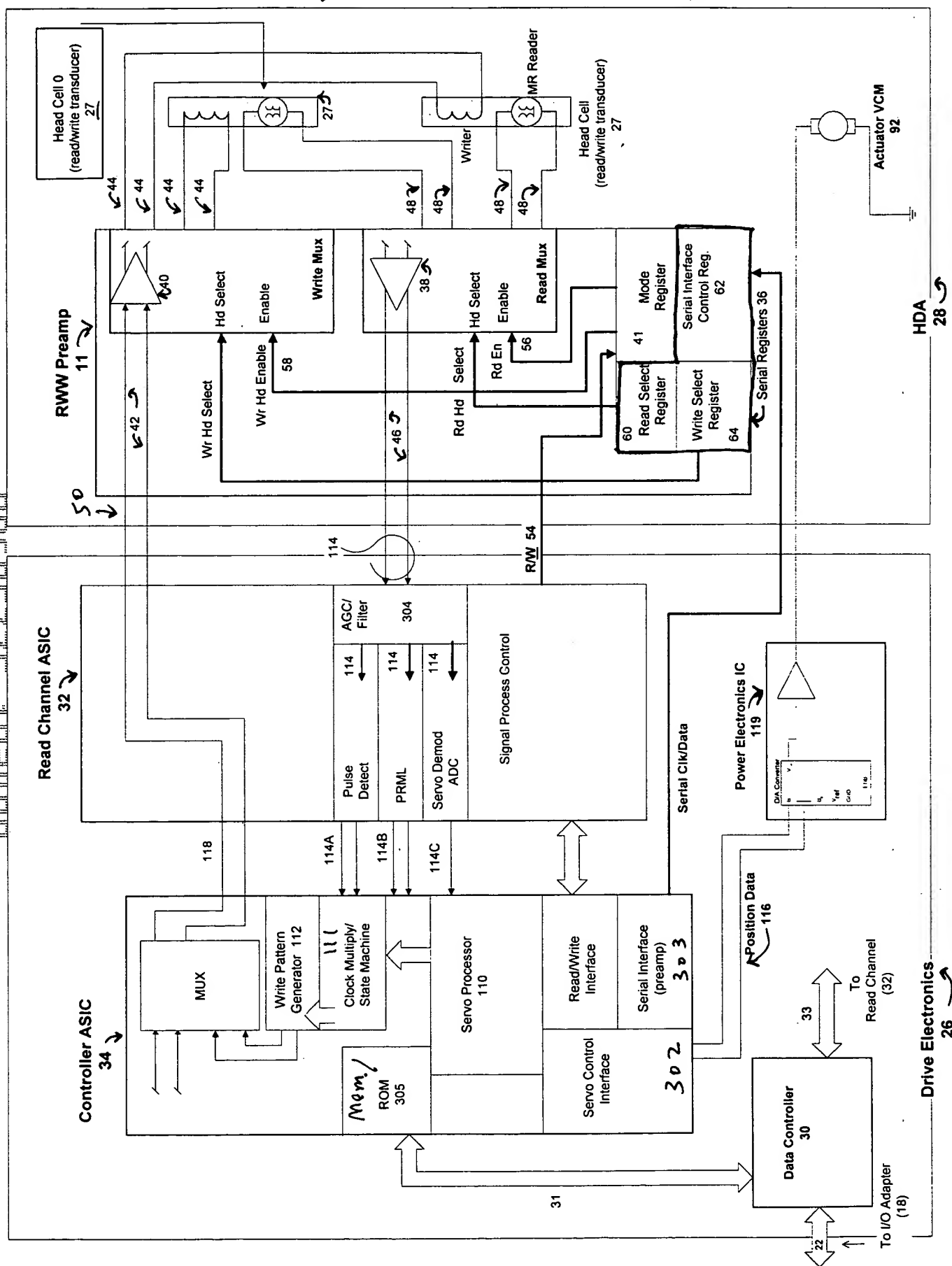
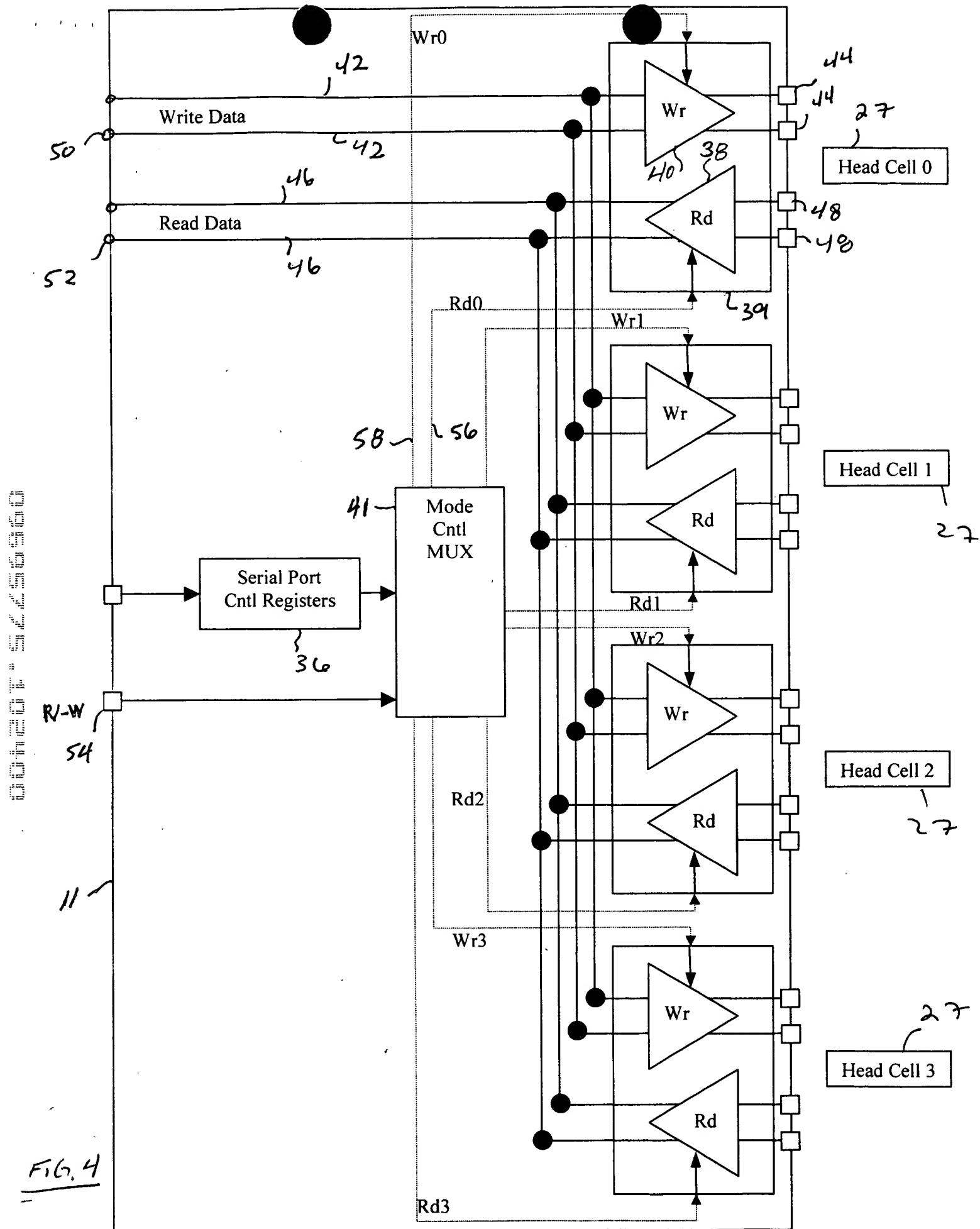
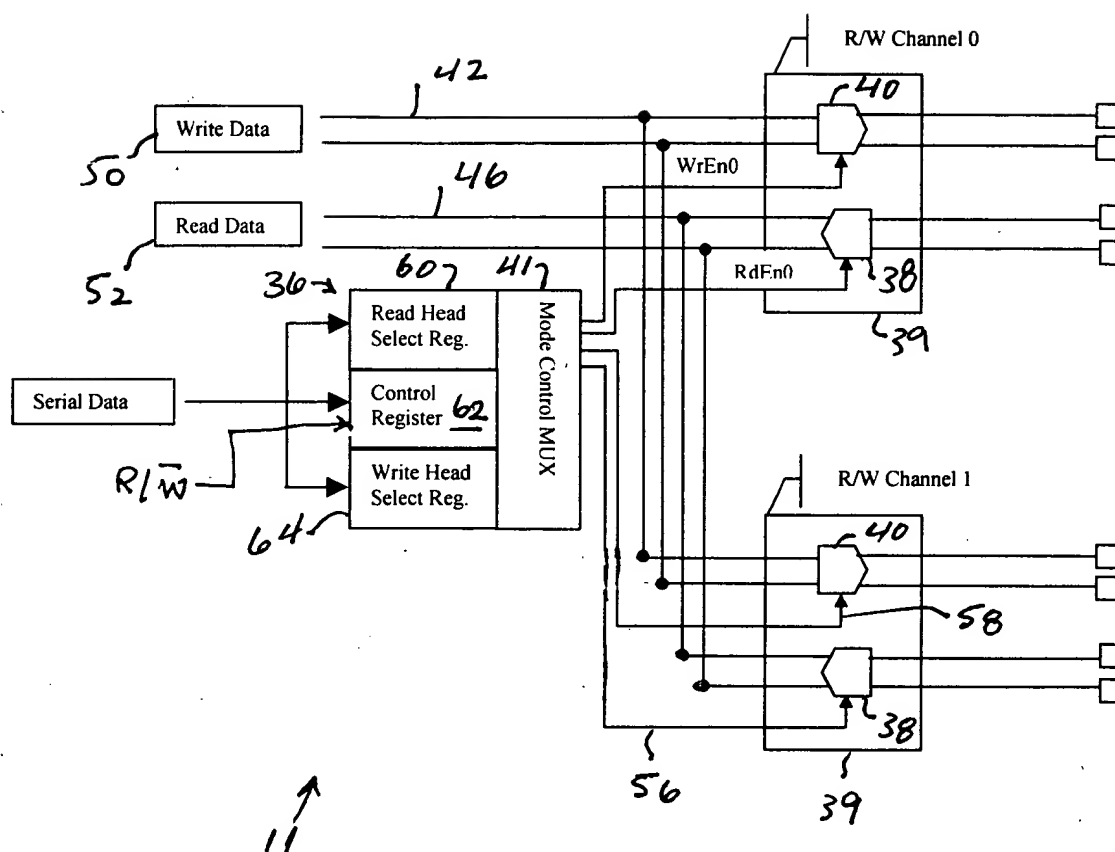


Fig. 31



[illegible]

F1G.5

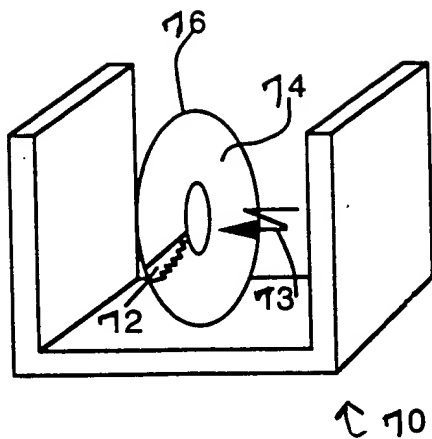


FIG. 6

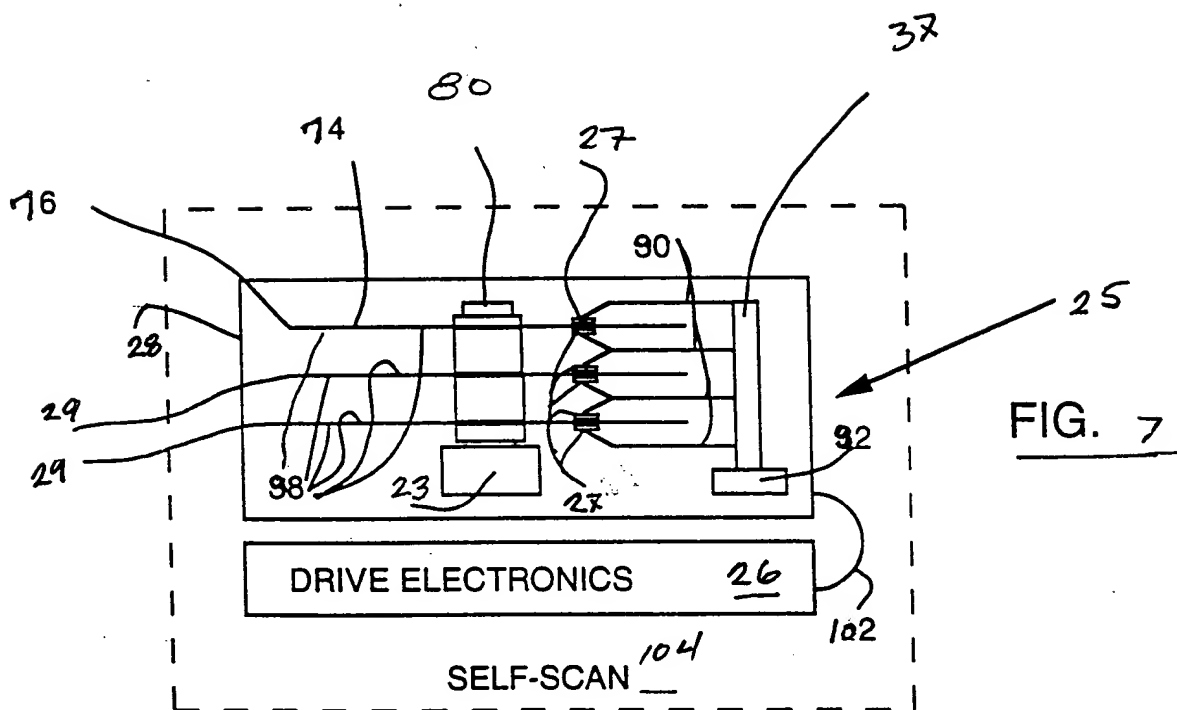
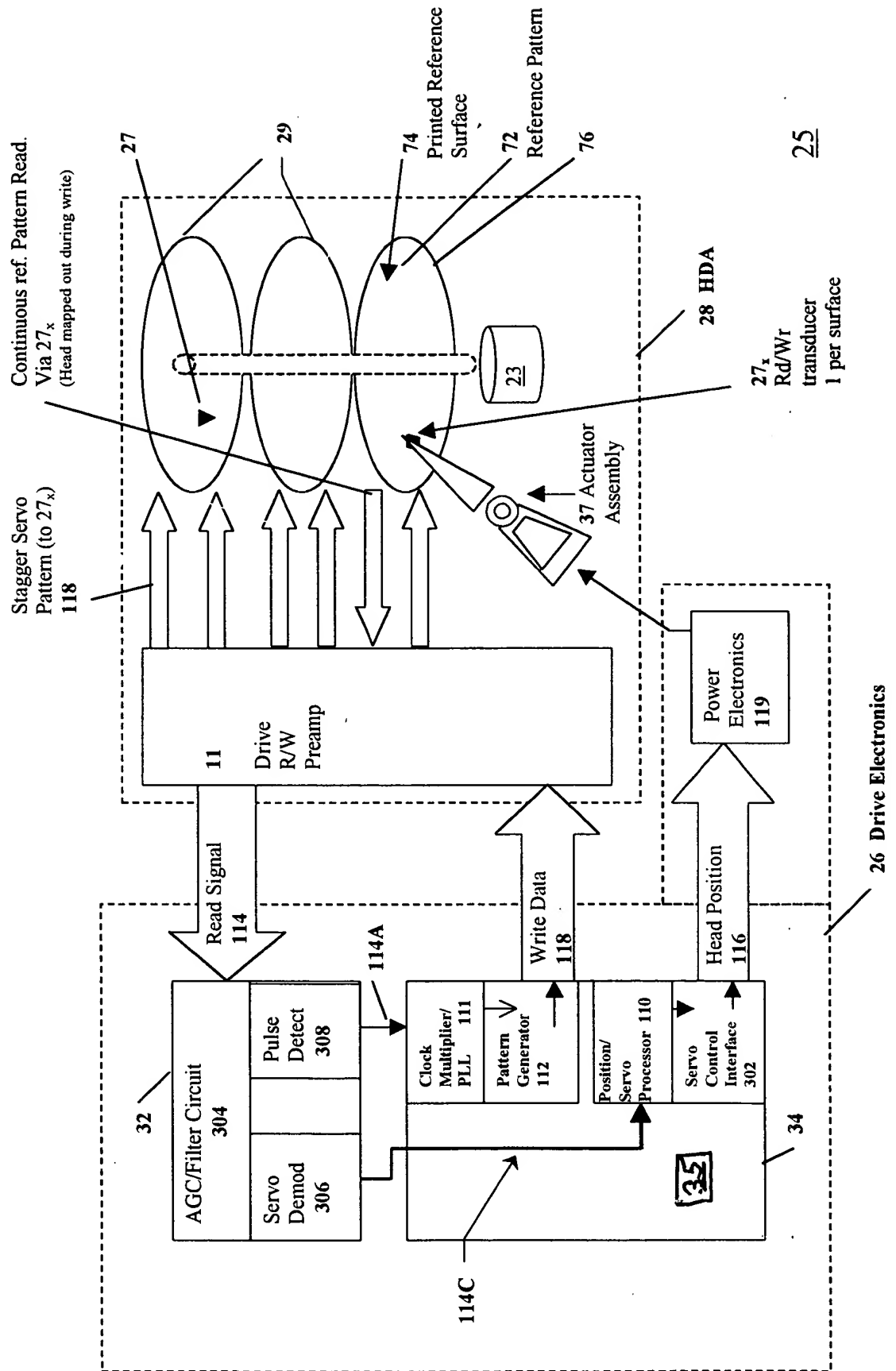
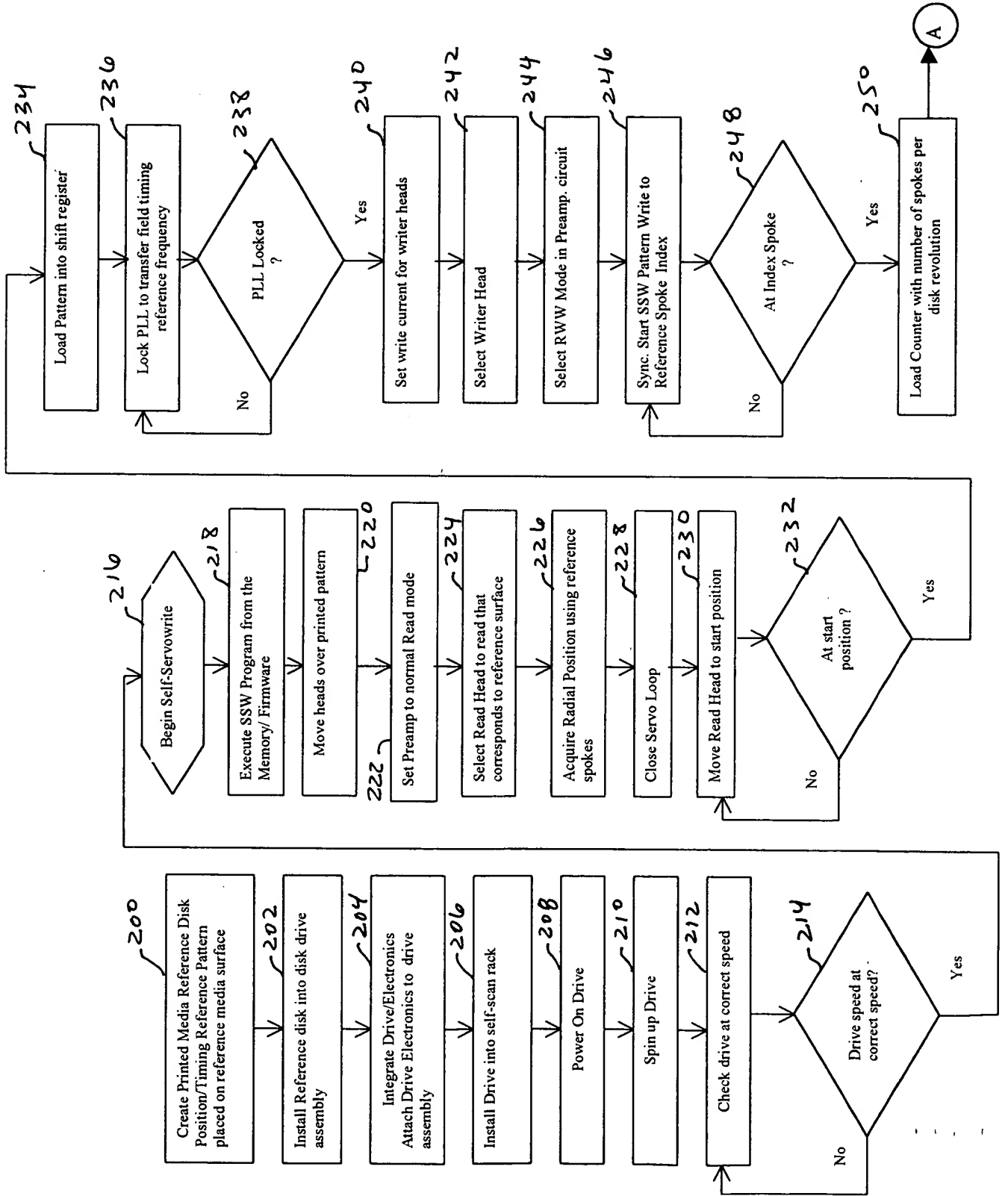


FIG. 7

004607 92656960

FIG. 8





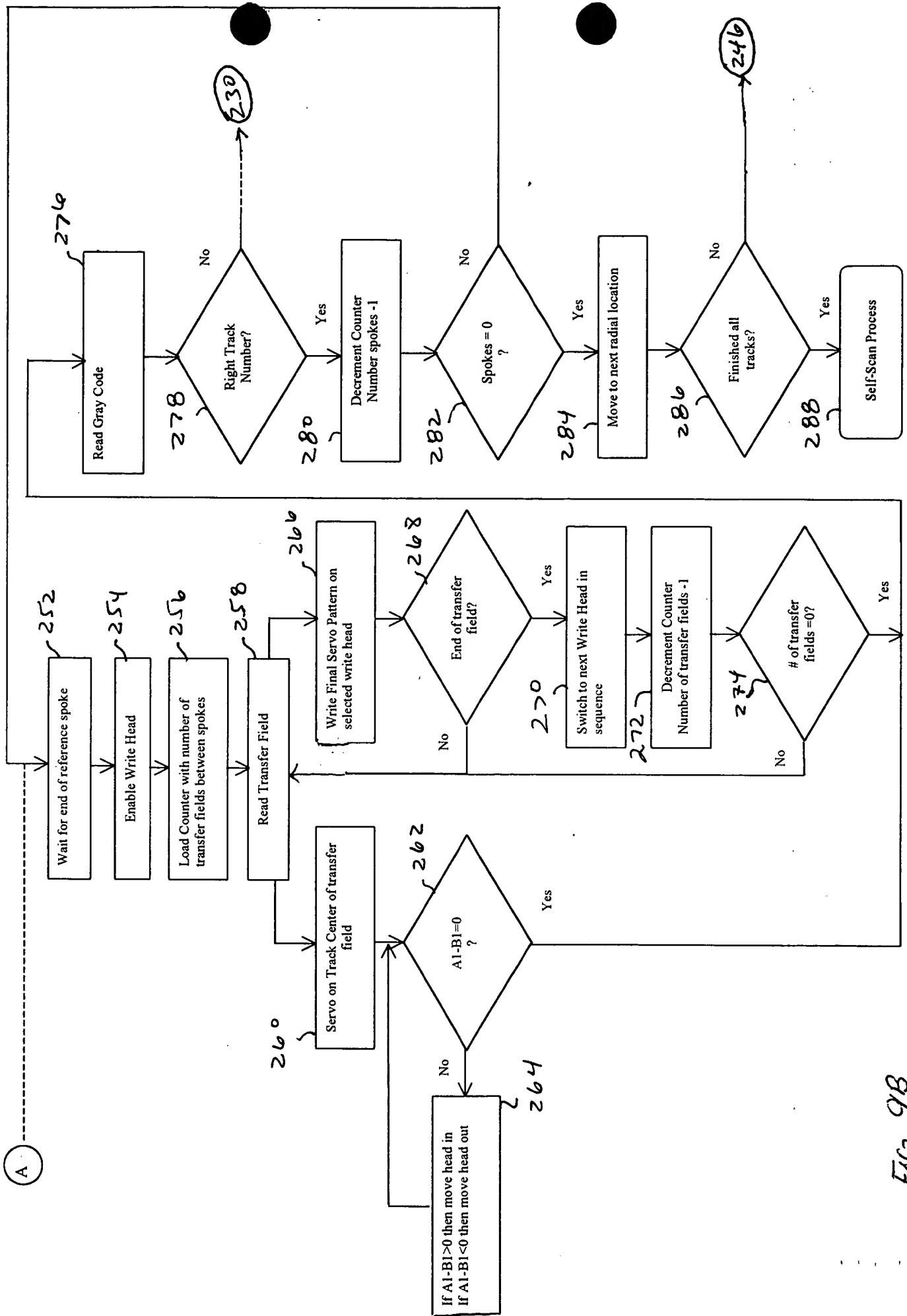
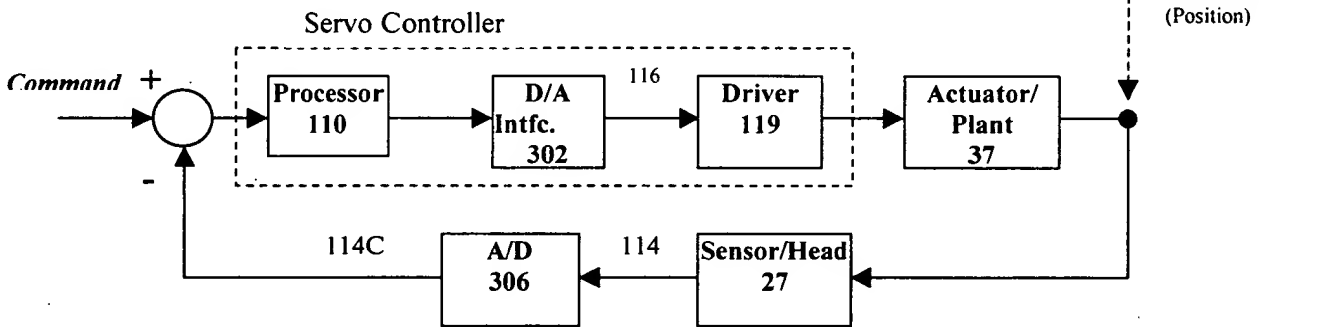
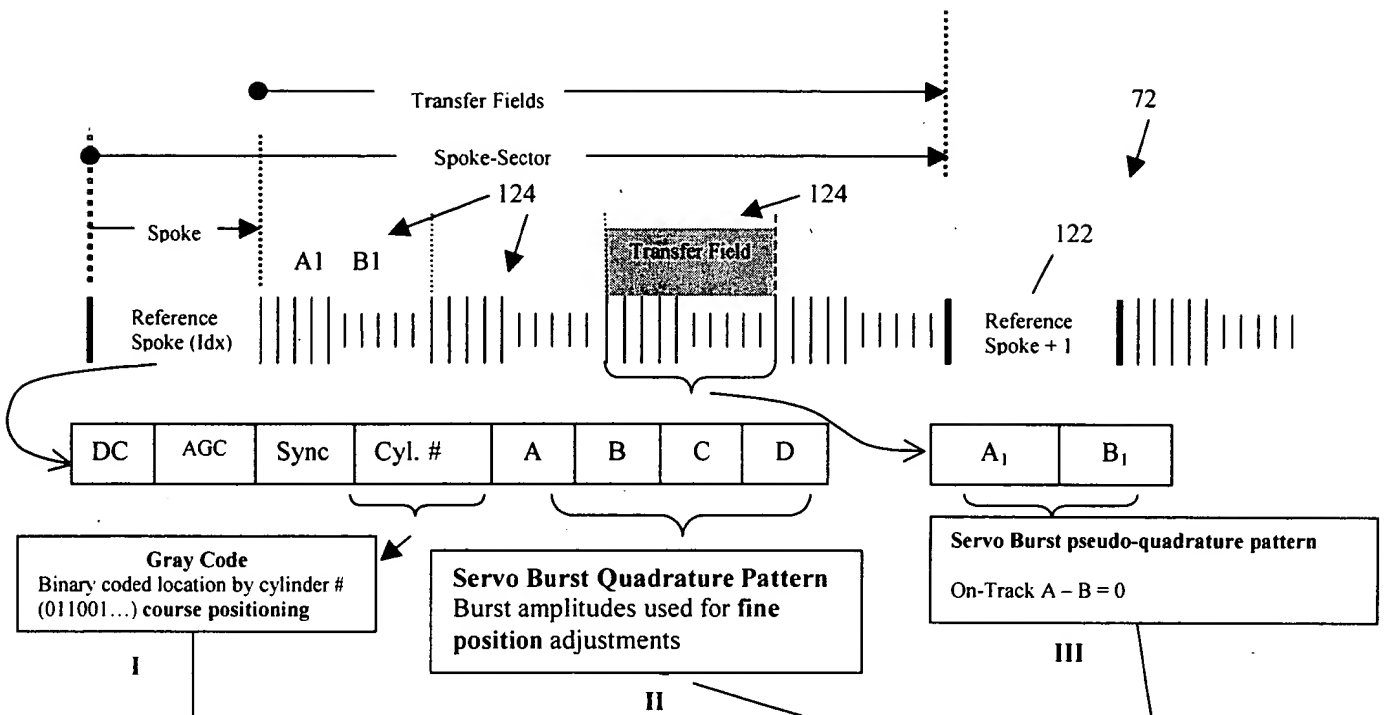


FIG. 9B

Head Position Control Flow Diag



Position mode vs. Sense/head data used: (see fig. 10A I, II & III)

I – Course Position (Seek)

I, II – Track Following (On-track, Short Seek)

I, II & III – High Bandwidth Track Following (RWW self-servowrite)

FIG. 10B Position Control Feedback Loop

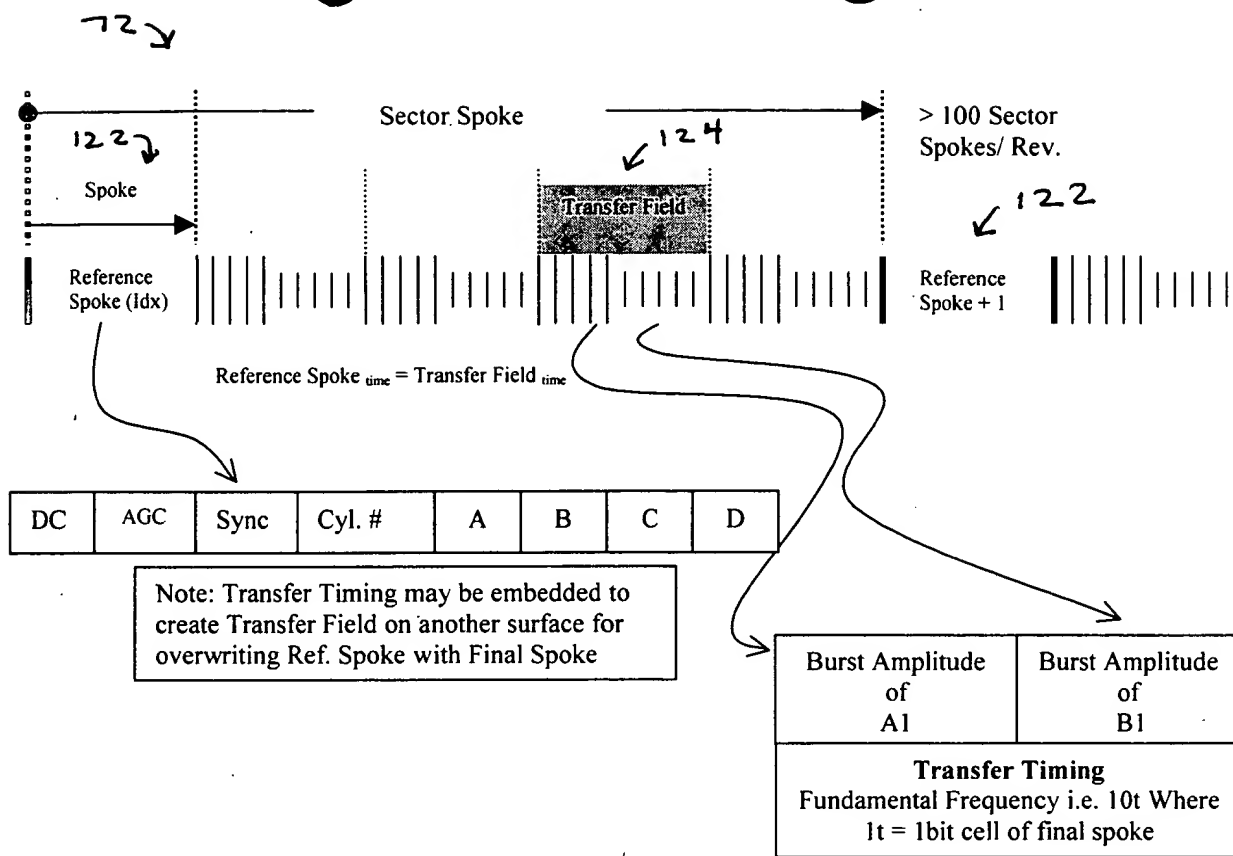


Fig. 10C

004201 52256560

004207 52250900

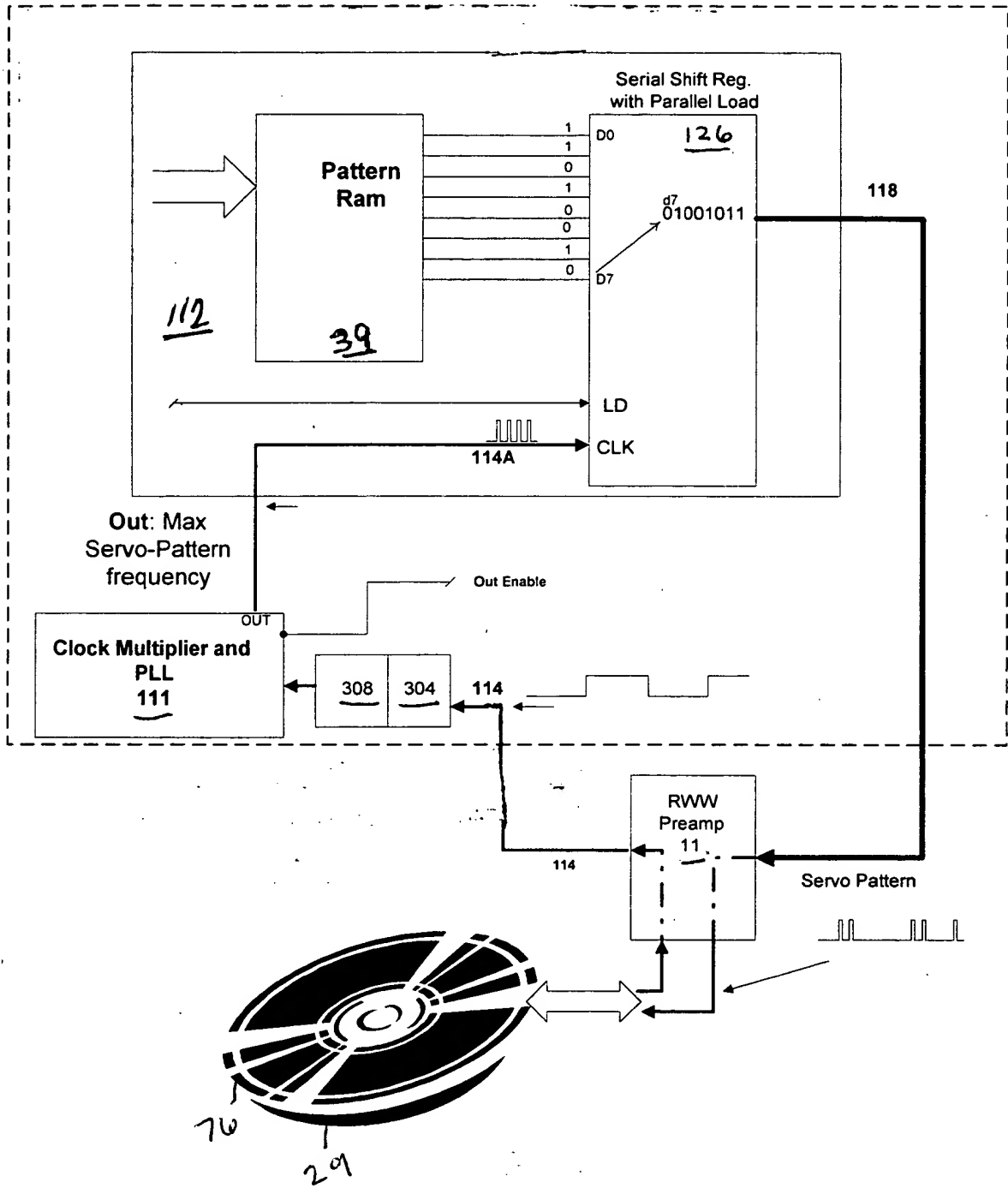
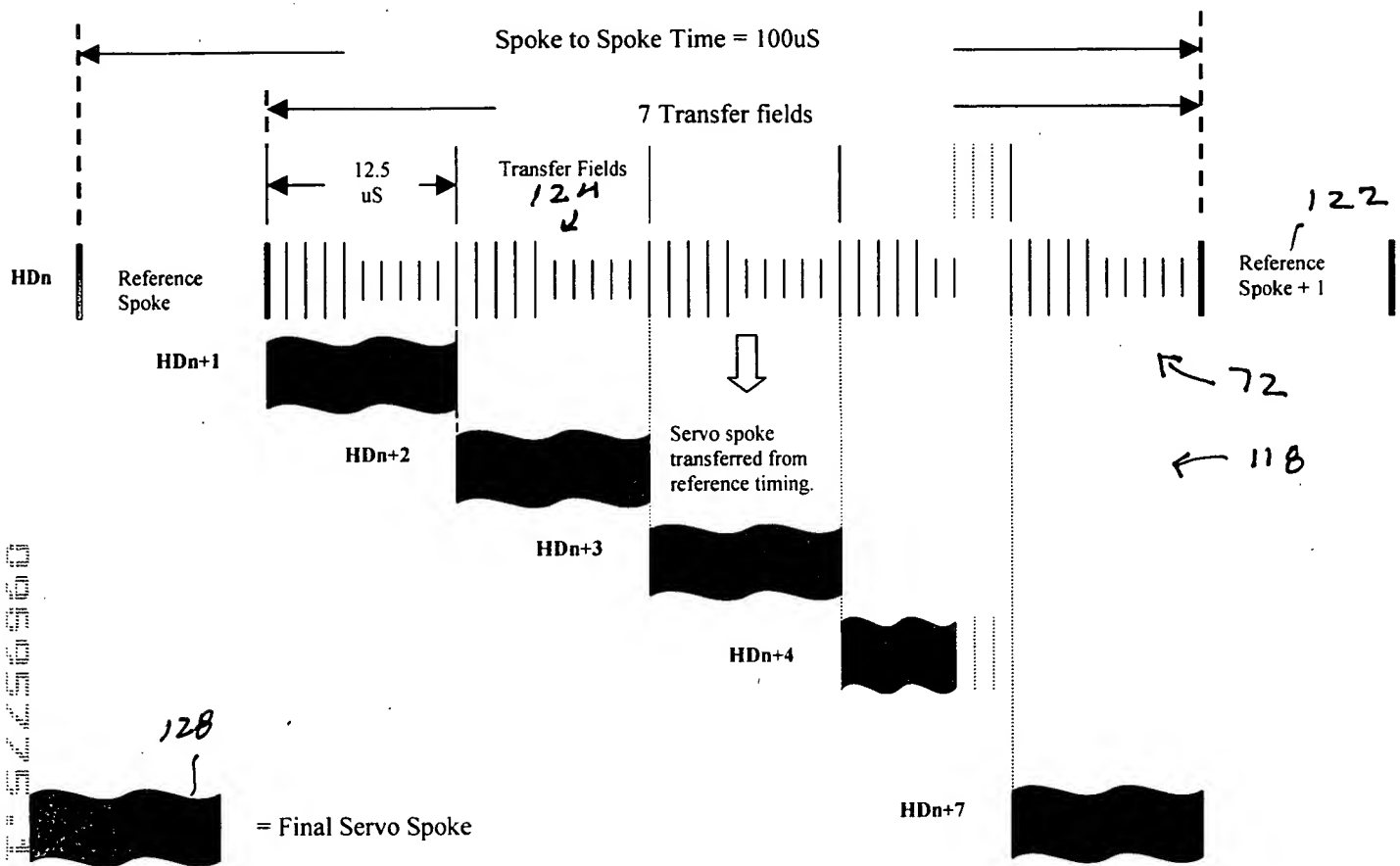


Fig. 11

Media Reference Pattern and Final Spoke Transfer Reference Surface (HDn)



This example is based on drive rotational speed at 6000 rpm, and 100 spokes per revolution.

6000 rpm = 10 mS per revolution.

10mS/100sectors = 100uS per sector.

1 sector = spoke + data field.

1 spoke = sector/8 (for 8 head stagger) = 12.5uS per spoke

1 spoke(Tt) = 1 transfer field(Tt)

spoke transition(t) = transfer field transition(t)/x

➤ Tt = total time

➤ t = time

FIG. 12

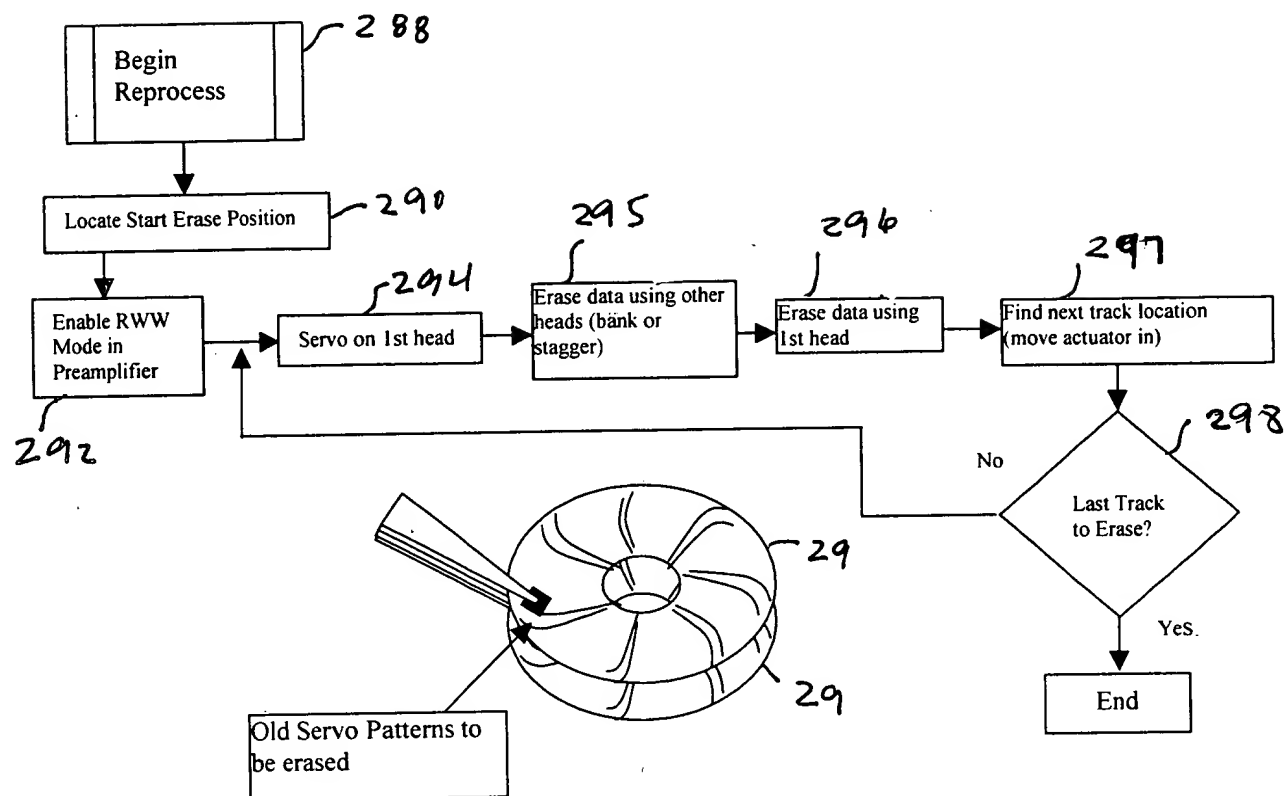


FIG. 13